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-	644	(((memory) adj (core or module or component or model or system or design)) same (select$3 or choos$4 or determin$4)) and (((memory) adj (core or module or component or model or system or design)) same (librar$4 or database))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/26 16:01
-	341	((((memory) adj (core or module or component or model or system or design)) same (select$3 or choos$4 or determin$4)) and (((memory) adj (core or module or component or model or system or design)) same (librar$4 or database))) and @ad<20001228	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/26 16:03
-	176	(((memory) adj (core or module or component or model or system or design)) same (select$3 or choos$4 or determin$4)) and (((memory) adj (core or module or component or model or system or design)) same (librar$4))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/26 16:02
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-	49	(((((memory) adj (core or module or component or model or system or design)) with (librar$4))) and @ad<20001228) and ((memory) adj (core or module or component or model or system or design)) same (select$3 or choos$4 or determin$4 or search$4 or find$4)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/26 16:08

-	75	(((memory) adj (core or module or component or model or system or design)) with (librar$4)) and ((memory) adj (core or module or component or model or system or design)) same (select$3 or choos$4 or determin$4 or search$4 or find$4)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/26 16:08
-	163	((librar$4) and (memor$3) and (core or module or component or model or system or design) and (select$3 or choos$4 or determin$4 or search$4 or find$4)).ab. and @ad<20001228	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/26 16:10
-	7	((librar$4) and ((memor$3) adj (core or module or component or model or system or design)) and (select$3 or choos$4 or determin$4 or search$4 or find$4)).ab. and @ad<20001228	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/26 16:18
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-	3	6397117.uref.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/07/26 16:34
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-	1	"5295081".PN.	USPAT	2004/07/26 16:34
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Gordon B. Davis, John T. Gorgone, J. Daniel Couger, David L. Feinstein, Herbert E. Longenecker
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Thomas Kunz, Michiel F. H. Seuren
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Understanding distributed applications is a tedious and difficult task. Visualizations based on proce
application. The visualization tool we use is Poet, an event tracer developed at the University of W
desired overview of the application. In our experience, such tools display repeated occurrences of

3 Computing curricula 2001
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4 System-level power optimization: techniques and tools
Luca Benini, Giovanni de Micheli
April 2000   **ACM Transactions on Design Automation of Electronic Systems (TODAE**
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This tutorial surveys design methods for energy-efficient system-level design. We consider electro
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5 Status report of the graphic standards planning committee
Computer Graphics staff
August 1979 **ACM SIGGRAPH Computer Graphics**, Volume 13 Issue 3

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6 <u>The design and implementation of hierarchical software systems with reusable components</u>
Don Batory, Sean O'Malley
October 1992   **ACM Transactions on Software Engineering and Methodology (TOSEM),**
Full text available: 🔁 <u>pdf(3.15 MB)</u>   Additional Information: <u>full citation</u>, ab;

We present a domain-independent model of hierarchical software system design and construction
the conceptualizations of two independent projects, Genesis and Avoca, that are successful examp
technologies exploit large-scale reuse, rely on open architecture software, and elevate the granula

Keywords: domain modeling, open system architectures, reuse, software building-blocks, softwai

7 <u>Model-driven development of Web applications: the AutoWeb system</u>
Piero Fraternali, Paolo Paolini
October 2000   **ACM Transactions on Information Systems (TOIS),** Volume 18 Issue 4
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This paper describes a methodology for the development of WWW applications and a tool environr
environment are based upon models and techniques already used in the hypermedia, information
foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notati(

Keywords: HTML, WWW, application, development, intranet, modeling

8 <u>Link services or link agents?</u>
L. A. Carr, W. Hall, S. Hitchcock
May 1998   **Proceedings of the ninth ACM conference on Hypertext and hypermedia
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9 <u>Bogor: an extensible and highly-modular software model checking framework</u>
Robby, Matthew B. Dwyer, John Hatcliff
September 2003   **ACM SIGSOFT Software Engineering Notes , Proceedings of the 9th Eur
international symposium on Foundations of software engineering,** Volun
Full text available: 🔁 <u>pdf(256.27 KB)</u>   Additional Information: <u>full citation</u>, ab;

Model checking is emerging as a popular technology for reasoning about behavioral properties of ɛ
designs, implementations, and process models. The complexity of model checking is well-known, ʏ
abstractions and semantic properties of a target software artifact. semantic properties of target sc

Keywords: domain-specific, extensible, model checker, modular

10 <u>Human-computer interface development: concepts and systems for its management</u>
H. Rex Hartson, Deborah Hix
March 1989   **ACM Computing Surveys (CSUR),** Volume 21 Issue 1
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Human-computer interface management, from a computer science viewpoint, focuses on the proc(
implementation, execution, evaluation, and maintenance. This survey presents important concept;

interactive tools, rapid prototyping, development methodologies, and control structures. *Dialogue*

11 Access pattern-based memory and connectivity architecture exploration
Peter Grun, Nikil Dutt, Alex Nicolau
February 2003   **ACM Transactions on Embedded Computing Systems (TECS)**, Volume 2 Issu

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Memory accesses represent a major bottleneck in embedded systems power and performance. Tra
limited use of special purpose memory modules such as stream buffers. Although real-life applicat
significant percentage of all memory accesses in the application are generated from a few memory

Keywords: Memory, access patterns, architecture exploration

12 Third Generation Computer Systems
Peter J. Denning
December 1971   **ACM Computing Surveys (CSUR)**, Volume 3 Issue 4

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The common features of third generation operating systems are surveyed from a general view, wit
operating systems. Properties of specific systems are not discussed except where examples are us
mentioned only briefly. A perfunctory knowledge of third generation systems is presumed.

13 Run-time adaptation in river
Remzi H. Arpaci-Dusseau
February 2003   **ACM Transactions on Computer Systems (TOCS)**, Volume 21 Issue 1

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We present the design, implementation, and evaluation of run-time adaptation within the River da
mechanisms that allow database query-processing applications to cope with performance variatior
carefully evaluate those mechanisms and their effectiveness. In our analysis, we answer four prev

Keywords: Performance availability, clusters, parallel I/O, performance faults, robust performanc

14 Spoken dialogue technology: enabling the conversational user interface
March 2002   **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1

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Spoken dialogue systems allow users to interact with computer-based applications such as databa
systems can be traced back to Artificial Intelligence research in the 1950s concerned with develop
advances in speech technology, that large-scale working systems have been developed and, in sor

Keywords: Dialogue management, human computer interaction, language generation, language i

15 Reliability Issues in Computing System Design
B. Randell, P. Lee, P. C. Treleaven
June 1978 **ACM Computing Surveys (CSUR)**, Volume 10 Issue 2

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16 Curriculum 68: Recommendations for academic programs in computer science: a report of tl
William F. Atchison, Samuel D. Conte, John W. Hamblen, Thomas E. Hull, Thomas A. Keenan, William

William Viavant, David M. Young
March 1968   **Communications of the ACM**, Volume 11 Issue 3
Full text available: pdf(6.63 MB)   Additional Information: <u>full citation</u>, <u>ref</u>

Keywords: computer science academic programs, computer science bibliographies, computer sci
graduate programs, computer science undergraduate programs

17 <u>The FINITE STRING Newsletter: Abstracts of current literature</u>
Computational Linguistics Staff
January 1987 **Computational Linguistics**, Volume 13 Issue 1-2

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18 <u>Searching the Web</u>
August 2001   **ACM Transactions on Internet Technology (TOIT)**, Volume 1 Issue 1
Full text available: pdf(319.98 KB)   Additional Information: <u>full citation</u>, <u>ab</u>

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storage, indexing, and the use of link analysis for boosting search performance. The most commo
presentation we draw from the literature and from our own experimental search engine testbed. E

Keywords: HITS, PageRank, authorities, crawling, indexing, information retrieval, link analysis, s

19 <u>Software safety: why, what, and how</u>
Nancy G. Leveson
June 1986   **ACM Computing Surveys (CSUR)**, Volume 18 Issue 2
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and what is known about how to solve it. Since this is a relatively new software research area, em

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Massoud Pedram
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